

## 2012 IR Data Questions Document

### 305(b) Data Questions

When processing the data, the contractor conducted a QA of the data against the hardcopy IR/305(b) report and documented any discrepancies, which are highlighted in the table(s) below. Please let us know if you are okay with the data as is or whether you have additional data to explain these differences. Please note that numbers may not mach due to rounding errors. Also, as we have done in the past, we can always add a disclaimer on the website.

\* Report/Report Size listed as a column heading means the size listed in the IR/305(b) report

<b>State:</b>	CO
<b>Date:</b>	7/31/2015
<b>Contractor:</b>	INDUS
<b>State Submittal Information:</b>	
<b>Contact Name:</b>	Karl Hermann
<b>Email:</b>	hermann.karl@epa.gov
<b>Phone # :</b>	303-312-6628
<b>Database Format:</b>	ADB
<b>Date Received:</b>	7/22/2015
<b>Database Comment:</b>	Attachment 1 - CO 2012 ADB Attachment 2 - Rule Making 303(d) List Attachment 3 - IR Appendices (has 303(d) errors so, don't rely on that
<b>State 305b Website:</b>	<a href="https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012.pdf">https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012.pdf</a>

**Questions/Comments:**

## Rivers and Streams

### Total Assessed Waters

- The total assessed water sizes are found in the State report on page 8 in Support Summaries for Rivers and Streams section.
- The following describes how the water sizes in the State report were made comparable to the water sizes in the database:
  - The Good water sizes were determined by adding the Category 1 and Category 2 water sizes.
  - The Impaired water sizes were determined by adding the Category 4 and Category 5 water sizes.
  - Data for All Assessed water sizes were determined by adding the Good and the Impaired water sizes reported by the State.

Water Category	Report Size* (as reported by the states in the IR/305(b) report)	Database Size
Good	58979.48	58979.49
Impaired	12068.4	12055.59
All Assessed	71047.88	71035.08

### Individual Use Support

- Uses not shown here matched between the report and the database.

	FULL SUPPORT		THREATENED		NOT SUPPORTING	
<u>Use Description</u>	<u>Report</u>	<u>DB Size</u>	<u>Report</u>	<u>DB Size</u>	<u>Report</u>	<u>DB Size</u>
Aquatic Life Cold Water-Class 1	26666.38	26666.38	N/A	0	2484.03	2471.23

### Top Causes of Impairment

- Causes not in this table matched sizes between the report and the database.

<u>Cause Description</u> (as reported by the states in the IR/305(b) report)	<u>Report Size*</u> (size listed in IR/305(b) report)	<u>Database Size</u>
Iron	1,293.01	1322.71
Manganese	403.37	408.85
Dissolved Oxygen	N/A	62.7

Cause Unknown	N/A	39.7
---------------	-----	------

### Top Probable Sources of Impairment

- Sources not in this table matched sizes between the report and the database.

<b><u>Source Description</u></b> <b><u>(as reported by the states in the IR/305(b) report)</u></b>	<b><u>Report Size*</u></b> <b><u>(size listed in IR/305(b) report)</u></b>	<b><u>Database Size</u></b>
Impacts From Abandoned Mine Lands (Inactive)	565.26	570.06
Contaminated Groundwater	29.90	26.9

### Lakes, Reservoirs and Ponds

#### Total Assessed Waters

- The total assessed water sizes are found in the State report on page 9 in Support Summaries for Lakes and Reservoirs section.
- The following describes how the water sizes in the State report were made comparable to the water sizes in the database:
  - The Good water sizes were determined by adding the Category 1 and Category 2 water sizes.
  - The Impaired water sizes were determined by adding the Category 4 and Category 5 water sizes.
  - Data for All Assessed water sizes were determined by adding the Good and the Impaired water sizes reported by the State.

<b>Water Category</b>	<b>Report Size*</b> <b><u>(as reported by the states in the IR/305(b) report)</u></b>	<b>Database Size</b>
Good	82758.27	82758.27
Impaired	69169.19	69169.19
All Assessed	151927.46	151927.46

#### Individual Use Support

- All Uses matched between the report and the database.

**Top Causes of Impairment**

- Causes not in this table matched sizes between the report and the database.

<b><u>Cause Description</u></b> <b>(as reported by the states in the IR/305(b) report)</b>	<b><u>Report Size*</u></b> <b>(size listed in IR/305(b) report)</b>	<b><u>Database Size</u></b>
Copper	2416.50	4226.85
Arsenic	0	2960.68

**Top Probable Sources of Impairment**

- Sources not in this table matched sizes between the report and the database.

<b><u>Source Description</u></b> <b>(as reported by the states in the IR/305(b) report)</b>	<b><u>Report Size*</u></b> <b>(size listed in IR/305(b) report)</b>	<b><u>Database Size</u></b>
Source Unknown	48,309.08	48167.48

**303(d) General Information**

<b>State</b>	CO
<b>Cycle</b>	2012
<b>Data source and type</b>	ADB
<b>Date received</b>	7/22/2015
<b># of listed waters</b>	291
<b># of causes of impairment</b>	423
<b># of waters reconciled with previous cycle</b>	211
<b># of unreconciled waters from previous cycle</b>	6
<b># of causes reconcile with previous cycle</b>	293
<b># of unreconciled causes from previous cycle</b>	10
<b># of delisted causes reported</b>	50
<b># of delisted causes found in ATTAINS</b>	39

## 2012 IR Review

# of delisted causes "possible match" in ATTAINS	2
# of delisted causes not found in ATTAINS	7

## Hardcopy 303(d) Review

Location of state 303(d) report	<a href="https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012.pdf">https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012.pdf</a> <a href="https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012appendices.pdf">https://www.colorado.gov/pacific/sites/default/files/T1_WQCC_305bReport2012appendices.pdf</a>
Compare format of List IDs – do they align with past cycle? Does there seem to be a lot of resegmentation?	Exact match (There were some case differences in the ids. Those have been ignored during comparison)
Spot check of waters for completeness (verify that all causes of impairment show up)	Checked 25 listed water IDs against the State document. All causes showed up in the 303(d). See review spreadsheet for comments.
Is the total # of impaired waters reported and does it match submitted data?	The State reported (in page 6 under section “Miles/Acres Impaired - 303(d) List”) 178 impaired waters and the review database has 291.
Is the total # of causes reported and does it match submitted data?	Not reported.